Index of Claims

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Application/Control No.

09/940,179

Examiner

Joshua Joo

Date

Applicant(s)/Patent under Reexamination

MASSEY, STUART E.

Art Unit

2154

√ Rejected
= Allowed

- (Through numeral) Cancelled

Claim

Restricted

Non-Elected

I Interference

A Appeal
O Objected

|               | Date           |          |              |          |  |  |  |           |  |  |
|---------------|----------------|----------|--------------|----------|--|--|--|-----------|--|--|
| Claim         |                | Uate     |              |          |  |  |  |           |  |  |
| Final         | Original       | 2/9/2007 |              |          |  |  |  |           | •  |  |
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|               | 5              | -        |              |          |  | _  |  |           |  | $\dashv$   |
| <u> </u>      | <u>6</u><br>7  | -        |              | $\vdash$ | -  | <del> </del>                                     | Н  | -         |  |  |
| <del></del> - | 8              | =        | -            |          |  | $\vdash$   | $\vdash$   | -         | _  |  |
| <del></del>   | 9              | =        |              | $\vdash$ | -  |  |  | _         |  |  |
| <u> </u>      | 10             | =        |              |          |  |  | H  |           |  | H  |
|               | 11             | -        |              |          |  | -  |  |           |  |  |
|               | 12             | Ξ        |              |          |  |  |  |           |  |  |
|               | 12<br>13       | Ξ        |              |          |  |  |  |           |  |  |
|               | 14             | Ŀ        |              |          | _  | _  |  | $\square$ | _  | Ш  |
|               | 15             | ŀ        | _            | <u> </u> | <u> </u>                                     | <u> </u>   | $\vdash$   | $\vdash$  | $\vdash$   |  |
|               | 16             | Ŀ        | <u> </u>     | ├        | _  | H  |  | Н         | $\vdash$   | $\vdash \vdash$                                  |
|               | 17             | -        | ├            | $\vdash$ |  | -  |  |           | $\vdash$   | Н  |
|               | 18<br>19       | -        | -            | ├        | ⊢  |  | -  |           | ┢  | H  |
|               | 20             | ┢        | -            | 1        |  | -  | <del> </del>                                     |           |  | -  |
| <u> </u>      | 21             | ╌        | ┰            | $\vdash$ | $\vdash$                                     | <del>                                     </del> | -  | $\vdash$  |  | H  |
|               | 22             | t —      | 1            |          |  | T  | $\vdash$   |           |  |  |
|               | 23             | ļ .      |              |          |  |  |  |           |  |  |
|               | 23<br>24<br>25 |          |              |          |  |  |  |           |  |  |
| <u></u>       | 25             | <u> </u> | <u> </u>     | <u></u>  | <u>.                                    </u> | <u> </u>   | <u> </u>   |           | _  |  |
|               | 26             | ┡        |              | _        | <u> </u>                                     | ┡  | ┞  | _         | _  | -  |
|               | 27             | ┢        |              | -        | <u> </u>                                     | ├  | <del>                                     </del> |           |  | $\vdash$   |
|               | 28<br>29       | Ŀ        | -            | ┢        | -  | ╀  | ├  | -         | $\vdash$   | $\vdash$   |
| -             | 30             | ١.       | $\vdash$     | ╁        | ├  | ├-   |  | -         | -  | H  |
| -             | 31             | 1        | -            | $\vdash$ | ┝  | ┢  | i  | $\vdash$  | $\vdash$   |  |
|               | 32             |          |              | ļ —      | Ι.   | <del>                                     </del> |  |           | 1  |  |
|               | 32<br>33       |          |              |          |  |  |  |           |  |  |
|               | 34             | <u> </u> |              |          |  |  |  |           | _  |  |
|               | 35             | $\vdash$ | _            | <u> </u> |  | ┡  | ļ  | _         | _  | $\vdash$   |
|               | 36             | ╀        |              | ├-       | -  | ⊢  | ├  | -         | -  | <del>  -  </del>                                 |
| -             | 37<br>38       | +-       | $\vdash$     | ⊢        | ├  | $\vdash$   | ┢  | ├-        | -  | -  |
| -             | 39             | $\vdash$ | -            | $\vdash$ | $\vdash$                                     | $\vdash$   | -  | -         | $\vdash$   | <del>                                     </del> |
| -             | 40             | +        | +            | $\vdash$ | $\vdash$                                     | t  | +  | -         | <del>                                     </del> |  |
|               | 41             | tΤ       | <u> </u>     | 1        | $\vdash$                                     | T  | 1-   |           | Г  | $\vdash$   |
|               | 42             |          |              |          |  | Γ  |  |           |  |  |
|               | 43             |          |              |          |  |  | $\Box$   |           |  |  |
|               | 44             |          | L            |          |  | $\perp$  | <u> </u>   |           | _  | 1_   |
|               | 45             | $\vdash$ | <u> </u>     | ├_       | ┡  | 1  | <b>├</b>   | <u> </u>  | <u> </u>   | _  |
| -             | 46             | ├-       | <del> </del> | ┼-       | -  | -  |  |           | ⊢  | -  |
| -             | 47             | ╁        | $\vdash$     | ╀        | ├-   | -  | ╀╌   | ⊢         | ├  | +  |
| -             | 48             | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$                                     | ╀╌   | 1-   | +-        | ╁  | $\vdash$   |
| $\vdash$      | 50             | $\vdash$ | -            | $\vdash$ | ┢  | +-   | +  | $\vdash$  | -  | +  |
| Щ.            | 1 30           | <u> </u> | Щ            | _        |  | _  | <u> </u>   | Щ.        | Ц.   | Ь  |

| -                 | Original   |              |              |  |                |  |              |  |              |              |
|-------------------|--|--------------|--------------|--|----------------|--|--------------|--|--------------|--------------|
| Final             | . <u>ē</u> .   |              |              | ۱ ۱                                    | 1              |  |              |  |              |              |
| "-                | ō  |              | ۱ ۱          | 1                                      |                |  |              |  |              |              |
| لـــــا           |  |              | ш            | ш                                      | Ш              | $oxed{oxed}$                                     |              | $\Box$   |              |              |
| لــــا            | 51   | Ш            |              | لـــا                                  | ш              | Ш  |              |  | Ш            |              |
|                   | 52<br>53   |              | آيا          | آيا                                    |                | لــا   |              |  | ·            | _            |
| ┖                 | 53   | ╚            | Ĺ            |  |                | $L^{I}$  | ╚            | רַ∟  | _1           | _            |
|                   | 54   | Ľ            | _            |  |                |  |              | ╚  |              | Ĺ            |
|                   | 54<br>55<br>56   |              |              |  |                |  |              |  |              | L            |
|                   | 56   | П            |              |  |                |  |              |  |              | •            |
| $\Box$            | 57   |              |              |  |                |  |              |  |              |              |
|                   | 58   | $\vdash$     | $\Box$       |  |                |  |              |  | Н            | Т            |
| $\vdash$          | 58<br>59   |              |              |  | $\vdash$       |  |              | Н  | H            | Γ            |
| $\vdash$          | 60   | $\vdash$     | <del></del>  |  |                | Н  | H            |  | H            |              |
| $\vdash \vdash$   | 64   |              | <del> </del> | $\vdash$                               | $\vdash$       | Н  |              | Н  | Н            | -            |
|                   | 61<br>62<br>63   | $\vdash$     | -            |  | <del>   </del> |  | $\vdash$     | -  | H            | $\vdash$     |
| <del></del>       | 02   | $\vdash$     | $\vdash$     | <del> </del>                           | <del> </del>   | H  | H            | $\vdash$   | <u> </u>     | <del> </del> |
| <b> </b>          | 03   | $\vdash$     | $\vdash$     | <del> </del>                           | $\vdash$       | <del> </del>                                     | H            | H  | $\vdash$     | <del> </del> |
|                   | 64<br>65   | $\vdash$     | $\vdash$     | <del> </del>                           | <del> </del>   | <u> </u>   | $\vdash$     | <u> </u>   | <b> </b>     | <del> </del> |
| $ldsymbol{f eta}$ | 65   | ļ            | <u> </u>     | <u> </u>                               | —              | <u> </u>   | <b> </b>     | <u> </u>   | <del> </del> | $\vdash$     |
|                   | 66   | L.           | <u> </u>     | <u> </u>                               | <u> </u>       | <u> </u>   | $\vdash$     | <u> </u>   | <u> </u>     | <u> </u>     |
| L                 | 67   | $\vdash$     | Ĺ            | ــا                                    | Ĺ              | Ĺ  | Ĺ            | Ĺ  | <u> </u>     | L            |
|                   | 68   | Ĺ            | Ĺ            | Ĺ                                      | Ĺ              | Ĺ  |              | Ĺ  | Ĺ            | Ĺ            |
|                   | 69   | $L^-$        | $L^-$        | $\Box$                                 | $L^-$          | Ľ  | L            | L  | Ĺ            | Ĺ            |
|                   | 70   | Γ            |              | $\Gamma$                               | $\Gamma$       | $\Gamma$   |              | [  | $L^-$        |              |
|                   | 71   |              | Γ            |  | П              | Г  | Г            | Γ  | Γ            | Γ            |
|                   | 72   |              | Г            | Г                                      |                |  |              | Γ  |              |              |
|                   | 68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78 |              |              |  | Ι-             | T  | _            |  |              |              |
|                   | 74   | 1            |              | 1                                      |                | <u> </u>   | <b>†</b>     |  | Ė            | Т            |
|                   | 75   | $\vdash$     | $\vdash$     | $\vdash$                               | $\vdash$       | $\vdash$   | -            | -  |              |              |
| -                 | 70   | $\vdash$     | $\vdash$     | +                                      | $\vdash$       | +  | $\vdash$     | $\vdash$   |              |              |
| <del></del>       | 77   | -            | $\vdash$     | $\vdash$                               | +              | -  | -            | -  | $\vdash$     | -            |
| <u> </u>          | 70   | -            | $\vdash$     | $\vdash$                               | +              | +-   | -            | -  | -            | -            |
| <del></del>       | 70   | $\vdash$     | <del> </del> | $\vdash$                               | +              |  | $\vdash$     | -  | -            | -            |
|                   | /9   | $\vdash$     | $\vdash$     | <del> </del>                           | $\vdash$       | 1  | 1            | $\vdash$   | -            | -            |
| <u> </u>          | 80   | $\vdash$     | $\vdash$     | -                                      | <del> </del>   | -  | <u> </u>     | $\vdash$   | _            | ₩            |
| <u> </u>          | 80<br>81<br>82   | <del> </del> | <u> </u>     | <del> </del>                           | <del> </del>   | <del>  -</del>                                   | <del> </del> | 1-   | <del> </del> | <u> </u>     |
| <u> </u>          | 82   | Ļ            | $\vdash$     | <u>_</u>                               | ـ              | <u> </u>   | <u> </u>     | <u> </u>   | $\vdash$     | $\vdash$     |
| $\vdash$          | 83   | oxdot        | Ļ            | $ar{ar{}}$                             | Ĺ              | Ĺ  | Ĺ            | Ĺ  | Ĺ            | Ĺ            |
| $\Box$            | 84<br>85   | Ĺ            | Ĺ            | Ĺ                                      | Ĺ              | $\perp^{-}$                                      | Ĺ            | Ĺ  | Ĺ            | Ĺ            |
| L                 | 85   | $L^-$        | Ĺ            | $L^-$                                  | Ĺ              | $\perp^{-}$                                      | Ĺ            | L  | Ĺ            | $L^-$        |
| Ľ                 | 86   | Γ            |              | $\Gamma$                               | $\Gamma$       | $\Box$   | $\Gamma$     | $\Gamma$   | $\Gamma$     | $\Gamma$     |
| [                 | 86<br>87   | Γ            | Γ            | Γ                                      | Γ              | Γ  | Γ            | Γ  | Γ            | Γ            |
|                   | 88   | Γ            | Π            | Г                                      | Π              | Г  | Г            | Γ  | Г            | Г            |
|                   | 89   | Π            | 1            | 1                                      | 1              | 1  | Т            | Г  | Г            | Τ            |
|                   | 90   | 1            | 1            | 1                                      | 1              | 1  | T            | <del>                                     </del> | <u> </u>     | 1            |
| <b>—</b>          | 91   |              | +-           | 1                                      | +              | <del>                                     </del> |              | +  | -            | 1            |
| <b>—</b>          | 700  | $\vdash$     | +            | +-                                     | +              | +-   | $\vdash$     | $\vdash$   | +-           | $\vdash$     |
| <del></del>       | 93   | +-           | +-           | +                                      | +-             | +  | $\vdash$     | -  | +            | +-           |
| <del></del>       | 33   | +            | +-           | +                                      | +              | +-   | $\vdash$     | $\vdash$   | +-           | $\vdash$     |
| <b></b>           | 94   | -            | $\vdash$     | +                                      | +              | +  | ├            | +-   | -            | +            |
| <u> </u>          | 95   | -            | <del> </del> | -                                      | +-             | +  | -            | +-   | $\vdash$     | +-           |
| Ь—                | 96   | ₩            | <b>├</b>     | <del> </del>                           | ₩              | ₩  | $\vdash$     | $\vdash$   | <b> </b>     | -            |
| <u> </u>          | 97   | $\vdash$     | $\vdash$     | -                                      | <u> </u>       | $\vdash$   | <u> </u>     | $\vdash$   | $\vdash$     | $\vdash$     |
| $\vdash$          | 98   | Ĺ            | Ļ            | Ļ                                      | Ļ              | Ļ  | Ĺ            | Ļ  | Ļ            | $\perp$      |
| L_                | 99   | Ĺ            | Ĺ            | $oxdsymbol{oldsymbol{oldsymbol{eta}}}$ | $\perp^{}$     | Ĺ  | Ĺ            | Ĺ  | Ĺ            | Ļ            |
| L                 | 100  | $\bot^{-}$   | oxdot        | $L^{-}$                                | $\bot$         | $L^{-}$  | $L^-$        | Ĺ  | $L^-$        | $L^-$        |
|                   |  |              |              |  |                |  |              |  |              | _            |

| Claim  |                   | Date   |          |                    |  |                |  |               |               |  |
|--|-------------------|--|----------|--------------------|--|----------------|--|---------------|---------------|--|
|  |                   |  |          |                    |  |                |  |               |               |  |
| <u></u>  | Original          |  |          |                    |  |                |  |               |               |  |
| Final  | iĝi               |  |          |                    |  |                |  |               |               |  |
| ╙  | ŏ                 |  |          |                    |  |                |  |               |               |  |
|  |                   |  |          |                    |  | <u> </u>       |  |               |               |  |
|  | 101<br>102        |  |          |                    |  | _              |  |               |               |  |
|  | 102               |  |          |                    |  |                |  |               |               |  |
|  | 103               |  |          | Г                  |  |                |  |               |               |  |
| <del>                                     </del> | 104               |  | _        | $\vdash$           | $\vdash$   | _              | _  |               |               | -  |
| <b></b>  | 104<br>105        |  | ⊢        | ├─                 | ┝  | -              |  |               |               | -  |
|  | 105               |  | <u> </u> |                    | -  |                |  | _             |               | _  |
|  | 106               | _  |          | <u> </u>           |  |                |  |               |               |  |
|  | 107<br>108        |  |          |                    |  |                |  |               |               |  |
|  | 108               |  |          |                    |  |                |  |               |               |  |
|  | 109               |  |          |                    |  |                |  |               |               |  |
|  | 110               |  | $\vdash$ |                    |  |                | $\vdash$   | _             | _             | Ι-   |
|  | 110               | $\vdash$   | $\vdash$ | -                  |  |                | <del>                                     </del> | $\vdash$      | ⊢             | $\vdash$   |
|  | 111               | L  | ├        | ┞                  | ⊢  | ├-             |  |               |               | _  |
|  | 112<br>113<br>114 | _  | _        | _                  | _  | L              | <u> </u>   | L             |               |  |
| !  | 113               |  |          |                    |  |                |  |               |               |  |
|  | 114               |  | Γ        | Г                  |  |                |  |               |               |  |
|  | 115<br>116        |  | <b>†</b> |                    | $\vdash$   | <del>-</del> - |  |               |               |  |
|  | 116               | -  | -        | ╁╌                 | ├-   | $\vdash$       |  |               | <u> </u>      | -  |
| <u> </u>   | 110               | <u> </u>   | ┝        | ╆                  | ├-   | <del> </del> — | _  | $\vdash$      | ⊢             | -  |
| L  | 117               |  |          | <u> </u>           |  | ļ              | _  |               | <u> </u>      | _  |
|  | 118               |  |          | L                  | L  |                |  |               |               |  |
|  | 118<br>119        |  |          |                    | Г  |                |  |               |               |  |
|  | 120               |  | T        | $\vdash$           |  |                | Г  | $\overline{}$ |               |  |
| <u> </u>   | 121               | -  | H        | -                  | $\vdash$   | <u> </u>       |  | ├-            | ┢             | <del>                                     </del> |
| -  | 121<br>122        | $\vdash$   | $\vdash$ | ┼                  | -  | -              |  |               | ├             | -  |
| <u> </u>   | 122               | <u> </u>   | -        | <u> </u>           | <u>L</u> .                                       | <u> </u>       |  | <u> </u>      | <u> </u>      | 1  |
|  | 123               |  | _        |                    |  | <u> </u>       |  |               |               | <u> </u>   |
|  | 123<br>124<br>125 |  |          |                    |  |                | 1  |               |               | l  |
|  | 125               |  | 1        |                    |  | П              |  |               | 1             |  |
|  | 126<br>127<br>128 |  | 1        | $\vdash$           |  | t              | $\vdash$   | <u> </u>      | 1             |  |
| -  | 127               | $\vdash$   | $\vdash$ |                    | <del>                                     </del> | -              | ┢  | -             | -             | <del>                                     </del> |
|  | 127               | -  | _        |                    | ╀  | -              | ┝  | _             |               | _  |
| L  | 128               | _  | <u>Ļ</u> | _                  | ╙  | <u> </u>       | <u> </u>   | <u> </u>      | ļ             | <u> </u>   |
|  | 129               |  | <u>.</u> |                    |  |                |  |               |               |  |
|  | 130               |  | 1        | 1                  |  |                | Ī  |               | l –           | Ī  |
|  | 131               |  |          | 1-                 |  |                | İ  |               |               | 1  |
|  | 132               | ╁╌   | ╁        | $\vdash$           | ╁  | ┼┈             | Ì  |               | ✝             | ┢  |
| <u> </u>   | 132<br>133        | ⊢  | +        | $\vdash$           | $\vdash$   | $\vdash$       | $\vdash$   | -             | +-            | $\vdash$   |
| L  | 133               | $\vdash$   | ـ        |                    | $\vdash$   | <u> </u>       | <b> </b>   | <u> </u>      | —             | ⊢-   |
| <u></u>  | 134               | L  | ــــ     | $oldsymbol{\perp}$ |  | <u> </u>       | <u> </u>   | $\vdash$      | <u> </u>      | <u> </u>   |
| L  | 134<br>135        | L  |          | L                  | L  | L              |  | L             | L             | L  |
|  | 1 136             |  | Г        | Г                  |  |                |  |               | Γ             |  |
| <b></b>  | 137               | <del>                                     </del> | T        | 1                  | T  | $t^{-}$        | 1  | $\vdash$      | $\vdash$      | T  |
|  | 137<br>138        | +-   | ✝        | +-                 | +  | $\vdash$       | $\vdash$   |               | 1             | $\vdash$   |
|  | 130               | ⊢  | ╁        | +-                 | +  | ╀              | $\vdash$   | $\vdash$      | $\vdash$      | $\vdash$   |
| L  | 139               | <b>!</b>   | ╄-       | ـ                  | <b>Ļ</b> -                                       | <del> </del>   | <b> </b>   | ļ             | $\vdash$      | <del>  _</del>                                   |
| L  | 140               | 丄  |          |                    |  |                | L  | $oxed{oxed}$  | $oxed{oxed}$  | $oxed{oxed}$                                     |
|  | 141               | 1  | 1        | 1                  | 1  | 1              | _  |               |               | _  |
|  | 142               | Т  | 1        | ĪΤ                 |  | Г              | Г  |               |               |  |
| <b></b>  | 143               | $t^-$  | T        | $\top$             | <del>                                     </del> | 1              | $\vdash$   | T             | †             | T  |
| -  |                   | ╀  | +        | +-                 | $\vdash$   | +              | +  | +-            | +             | <del>  -</del>                                   |
| <b> </b>   | 144               |  | $\vdash$ | +-                 | ╀  | -              | $\vdash$   |               | -             | ├-   |
| <u></u>  | 145               | L.   | ┺        | ــــ               | $\vdash$   | $\perp$        | <u> </u>   | <b>L</b>      | L.            | lacksquare                                       |
| L  | 146               | L  | $\perp$  | $\perp$            | L  |                | L  | L             | L             | L  |
|  | 147               |  | Г        |                    |  | П              | Г  | Г             | Г             | Г  |
|  | 148               | T  | t        | 1                  | T  | T              | T  | t             | $\vdash$      | t  |
|  | 149               | +  | ╁        | +                  | ╁  | ╁╌             | $\vdash$   | +-            | +-            | <del> </del>                                     |
| 1  | 1 144             | 1  | 1        | 1                  | 1  | 1              | 1  | 1             | 1             | 1  |
| <u> </u>   | 150               | +  | +-       | 1                  | 1  |                | 1  | $\overline{}$ | $\overline{}$ | _  |